



2123  
#7  
BT  
01.24-02

PATENT  
Attorney Docket 70478

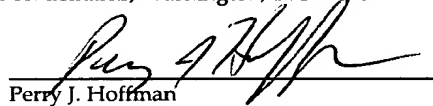
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Stephan W. WEGERICH et al. )  
 )  
Appln No.: 09/780,561 )  
 )  
Filed: February 12, 2001 )  
 )  
For: SIGNAL DIFFERENTIATION SYSTEM )  
 )  
USING IMPROVED NON-LINEAR )  
 )  
OPERATOR )  
 )  
Group Art )  
Unit: 2123 )  
 )  
Examiner: )

CERTIFICATE OF MAILING

I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231.

12/4/01  
Date

  
Perry J. Hoffman  
Registration No. 37,150  
Attorney for Applicant(s)

**RECEIVED**  
DEC 20 2001  
Group 2100

SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT

Commissioner of Patents and Trademarks  
ATTENTION: Assistant Commissioner  
for Patents  
Washington, D.C. 20231

Sir:

Pursuant to the duty of disclosure under 37 CFR § 1.56, and in accordance with 37 CFR §§ 1.97, and 1.98, Applicants supplement herewith the statements dated September 28, 2001 and September 14, 2001, and bring the following information with respect to the above-identified patent application to the attention of the Examiner.

Appln No. 09/780,561  
Filed February 12, 2001

SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT  
Attorney Docket 70478

U.S. PATENT DOCUMENTS

<u>Patent No.</u>	<u>Issue Date</u>	<u>Inventor(s)</u>
3,045,221	07/17/62	Roop
Re. 31,750	11/27/84	Morrow
5,586,066	12/17/96	White et al.
5,774,379	06/30/98	Gross et al.
5,987,399	11/16/99	Wegerich et al.

FOREIGN PATENT DOCUMENTS

<u>Patent No.</u>	<u>Publication Date</u>	<u>Country</u>
WO 00/67412	11/09/00	PCT

OTHER DOCUMENTS

"Application Of A New Technique For Modeling System Behavior"  
by Paul J. O'Sullivan, presented at the ISA Symposium, Edmonton,  
Alberta, May 1, 1991, © Copyright 1991 Instrument Society of  
America (21 pp.)

"A Universal, Fault-Tolerant, Non-Linear Analytic Network For  
Modeling And Fault Detection," by J. E. Mott, R. W. King, L. R.  
Monson, D. L. Olson, and J. D. Staffon, Proceedings of the 8th Power  
Plant Dynamics, Control & Testing Symposium, Knoxville,  
Tennessee, May 27-29, 1992 (14 pp.)

ModelWare™ Product Review by Robert D. Flori, reprinted from  
Computerized Investing, September/October 1992, Volume XI,  
No. 5, copyright by The American Association of Individual  
Investors (pp. 8-10)

ModelWare™ A New Approach to Prediction by Ken Tucker,  
reprinted from PC AI magazine, January/February 1993, pp. 14,  
15, 30

OTHER DOCUMENTS

"Similarity Based Regression: Applied Advanced Pattern Recognition for Power Plant Analysis," by E. J. Hansen and M. B. Caudill, presented at the 1994 EPRI Heat Rate Improvement Conference (9 pp.)

"Applied Pattern Recognition For Plant Monitoring And Data Validation," by Ron Griebenow, E. J. Hansen, and A. L. Sudduth, presented at the Fifth International Joint ISA POWID/EPRI Controls and Instrumentation Conference, La Jolla, California, June 19-21, 1995 (11 pp.)

"Model-Based Nuclear Power Plant Monitoring And Fault Detection: Theoretical Foundations," by Ralph M. Singer, Kenny C. Gross, James P. Herzog, Ronald W. King, and Stephan Wegerich, presented at the International Conference on Intelligent System Application to Power Systems (ISAP '97), July 6-10, 1997, Seoul, Korea (pp. 60-65)

"Application Of A Model-Based Fault Detection System To Nuclear Plant Signals," by K. C. Gross, R. M. Singer, S. W. Wegerich, J. P. Herzog, R. VanAlstine, and F. Bockhorst, presented at the International Conference on Intelligent System Application to Power Systems (ISAP '97), July 6-10, 1997, Seoul, Korea (pp. 66-70)

The above documents are listed on Form PTO-1449 which accompanies this Second Supplemental Information Disclosure Statement, and a copy of each document listed is enclosed herewith.

Appln No. 09/780,561  
Filed February 12, 2001

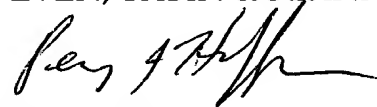
SECOND SUPPLEMENTAL  
INFORMATION DISCLOSURE STATEMENT  
Attorney Docket 70478

Pursuant to 37 CFR § 1.97(h), the filing of this Second Supplemental Information Disclosure Statement shall not be construed to be an admission that the information cited in the statement is, or is considered to be, material to patentability as defined in 37 CFR § 1.56(b).

Respectfully submitted,

FITCH, EVEN, TABIN & FLANNERY

By



Perry J. Hoffman  
Registration No. 37,150

December 4, 2001

Suite 1600  
120 South LaSalle Street  
Chicago, Illinois 60603-3406  
(312) 577-7000